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U.S. PTOPlease type a plus sign (+) Inside this box

10-23-00

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UTILITY
PATENT APPLICATION
TRANSMITTAL

(Only for new nonprovisional applications under 37 C.F.R. § 1.53(b))

Attorney Docket No. 112025-0417

First Inventor or Application Identifier Chien Fang et al.

Title Random Early Detection (RED) Algorithm Using Marked Segments to Detect Congestion in a Computer Network

Express Mail Label No. EL705757975US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility application contents

Assistant Commissioner for Patents
Box Patent Application
Washington, DC 202311. *Fee Transmittal Form (e.g., PTO/SB/17)

(Submit an original and a duplicate for fee processing)

2. Specification [Total Pages 30]

(preferred arrangement set forth below)

- Descriptive title of the Invention
- Cross References to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to Microfiche Appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

3. Drawing(s) [Total Sheets 13]

4. Oath or Declaration [Total Pages 3]

a. Newly executed (original copy)b. Copy from a prior application (37 C.F.R. § 1.63(d))

(for continuation/divisional with Box 17 completed)

[Note Box 5 below]

DELETION OF INVENTOR(S)

Signed statement attached deleting inventor(s) named in the prior application, see 37 C.F.R. §§ 1.63(d)(2) and 1.33(b).

5. Incorporation By Reference (useable if Box 4b is checked)
The entire disclosure of the prior application, from which a copy of the oath or declaration is supplied under Box 4b, is considered to be part of the disclosure of the accompanying application and is hereby incorporated by reference therein6. Microfiche Computer Program (Appendix)

7. Nucleotide and/or Amino Acid Sequence Sequence Submission

(if applicable, all necessary)

a. Computer Readable Copyb. Paper Copy (Identical to computer copy)c. Statement verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

8. Assignment Papers (cover sheet & document(s))9. 37 C.F.R. §3.73(b) Power of Attorney10. Statement (when there is an assignee)11. English Translation Document (if applicable)12. Information Disclosure Statement (IDS)/PTO-1449 Copies of IDS Citations13. Preliminary Amendment14. Return Receipt Postcard (MPEP 503)15. (Should be specifically itemized) *Small Entity Statement filed in prior application, ((PTO/SB/09-12)) Status still proper and desired16. Certified Copy of Priority Document(s) (if foreign priority is claimed)17. Other:

NOTE FOR ITEMS 1 & 14: IN ORDER TO BE ENTITLED TO PAY SMALL ENTITY FEES, A SMALL ENTITY STATEMENT IS REQUIRED (37 C.F.R. §1.27), EXCEPT IF ONE FILED IN A PRIOR APPLICATION IS RELIED UPON (37 C.F.R. §1.28).

17. If a CONTINUING APPLICATION, check appropriate box and supply the requisite information below and in a preliminary amendment:

 Continuation Divisional Continuation-in-part (CIP) of prior application No. /

Prior application Information: Examiner

Group/Art Unit:

18. CORRESPONDENCE ADDRESS

 Customer Number or Bar Code Labelor Correspondence address below

label here

24267

PATENT TRADEMARK OFFICE

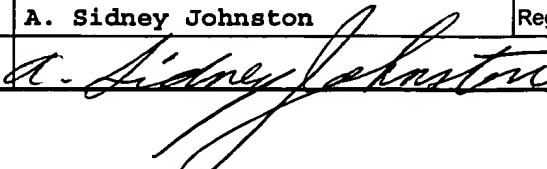
Name A. Sidney Johnston

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Name (Print/Type) A. Sidney Johnston Registration No. (Attorney/Agent) 29,548

Signature  Date October 20, 2000

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:)
Chien Fang et al.)
Serial No.: Not Yet Assigned)
Filed: October 20, 2000)
For: Random Early Detection (RED) Al-)
gorithm Using Marked Segments to)
Detect Congestion in a Computer)
Network)
Examiner: Not Yet Assigned
Art Unit: Not Yet Assigned
Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
October 20, 2000

EXPRESS-MAIL DEPOSIT

“Express Mail” Mailing-Label Number: EL705757975US

The following papers are being deposited with the United States Postal Service
“Express Mail Post Office to Addressee” service pursuant to 37 C.F.R. §1.10:

Patent Application (30 pages including 12 claims)
 Declaration and Power of Attorney
 Utility Patent Application Transmittal Letter
 Formal Drawing (13 sheets) Fee Transmittal Letter
 Assignment With Recordation Form Cover Sheet
 Check in the amount of \$750.00

PTO
10/20/00
S-693419
10/20/00

FEE TRANSMITTAL

Patent fees are subject to annual revision on October 1.

These are the fees effective October 1, 1997.

Small Entity payments must be supported by a small entity statement, otherwise large entity fees must be paid. See Forms PTO/SB/09-12. See 37 C.F.R. §§ 1.27 and 1.28.

TOTAL AMOUNT OF PAYMENT **(\$)** **750**

Complete If Known	
Application Number	Not Yet Assigned
Filing Date	October 20, 2000
First Named Inventor	Chien Fang et al.
Examiner Name	Not Yet Assigned
Group / Art Unit	Not Yet Assigned
Attorney Docket No.	112025-0417

METHOD OF PAYMENT (check one)

1. The Commissioner is hereby authorized to charge indicated fees and credit any over payments to:

Deposit
Account
Number

03-1237

Deposit
Account
Name

Cesari and McKenna, LLP

Charge Any Additional Fee Charge the Issue Fee Set in
Required Under 37 C.F.R. §§1.18 at the Mailing of
37 C.F.R. §§1.16 and 1.17 the Notice of Allowance

2. Payment Enclosed:

Check Money Other
Order

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description	Fee Paid
101	710	201	35	Utility filing fee	710
106	320	206	160	Design filing fee	
107	490	207	245	Plant filing fee	
108	710	208	355	Reissue filing fee	
114	150	214	75	Provisional filing fee	
SUBTOTAL (1) (\$)				710	

2. EXTRA CLAIM FEES

		Extra Claims	Fee from below	Fee Paid
Total Claims	12	- 20**	= 0 x 18 =	0
Independent Claims	2	- 3**	= 0 x 80 =	0
Multiple Dependent				0

**or number previously paid, if greater; For Reissues, see below

Large Entity Small Entity

Fee Code	Fee (\$)	Fee Code	Fee (\$)	Fee Description
103	18	203	9	Claims in excess of 20
102	80	202	40	Independent claims in excess of 3
104	270	204	135	Multiple dependent claim, if not paid
109	80	209	40	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent
SUBTOTAL (2) (\$)				0

3. ADDITIONAL FEES

Large Entity	Small Entity	Fee Description	Fee Paid
Fee Code	Fee (\$)	Fee Code (\$)	Fee Paid
105	130	205	65 Fee Surcharge - late filing fee or oath
127	50	227	25 Surcharge - late provisional filing fee or cover sheet
139	130	139	130 Non-English Specification
147	2,520	147	2,520 For filing a request for reexamination
112	920	112	920* Requesting publication of SIR prior to Examiner action
113	1,840	113	1,840*Requesting publication of SIR after Examiner action
115	110	215	55 Extension for reply within first month
116	390	216	195 Extension for reply within second month
117	890	217	445 Extension for reply within third month
118	1,390	218	695 Extension for reply within fourth month
128	1,890	128	945 Extension for reply within fifth month
119	310	219	155 Notice of Appeal
120	310	220	155 Filing a brief in support of an appeal
121	270	221	135 Request for oral hearing
138	1,510	138	1,510 Petition to institute a public use proceeding
140	110	240	55 Petition to revive - unavoidable
141	1,240	241	620 Petition to revive - unintentional
142	1,240	242	620 Utility Issue fee (or reissue)
143	440	243	220 Design Issue fee
144	600	244	300 Plant Issue fee
122	130	122	130 Petitions to the Commissioner
123	50	123	50 Petitions related to provisional applications
126	240	126	240 Submission of Information Disclosure Stmt
581	40	581	40 Recording each patent assignment per property (times number of properties)
146	710	246	355 Filing a submission after final rejection (37 CFR 1.129(a))
149	710	249	355 For each additional invention to be examined (37 CFR 1.129(b))
Other (specify)			
Other fee (specify)			
SUBTOTAL (3) (\$)			40

*Reduced by Basic Filing Fee Paid

SUBMITTED BY

Typed or
Printed Name

A. Sidney Johnston

Signature

A. Sidney Johnston

Complete (if applicable)

Reg. Number

29,548

Deposit Account User ID